

PROPOSED

Fourth Law of Thermodynamics:

*Quantum energy can flow
from the Quantum Field
to the Physical Field,
but not the reverse except via
black holes.*

When Gravity changes the path of a meteor, it performs work and transfers energy from the Quantum Field to the Physical Field.

When sunlight (Electromagnetism) heats the earth or strikes a solar cell, it performs work. To do this work, the sunlight transfers energy from Quantum Field to earth or the solar cell.

When the Weak Nuclear Force releases particles which strike other objects as radiation it produces heat and performs work.

When Magnetism attracts or repels objects it performs work and transfers energy from the Quantum Field to the Physical Field.

When a particle strikes the nucleus of an atom and breaks the atomic bonds of the Strong Nuclear Force, it releases energy to the Physical Field and does work.

In only in the case of Black Holes is the transfer of energy reversible.

The proposed Fourth Law is internally consistent with the Laws of Thermodynamics.